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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/536,518	05/25/2005	Patrick Jeff Crowley	70126	5169

26748 7590 09/21/2006

SYNGENTA CROP PROTECTION, INC.
PATENT AND TRADEMARK DEPARTMENT
410 SWING ROAD
GREENSBORO, NC 27409

EXAMINER

PRYOR, ALTON NATHANIEL

ART UNIT	PAPER NUMBER
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1616

DATE MAILED: 09/21/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/536,518

Applicant(s)

CROWLEY ET AL.

Examiner

Alton N. Pryor

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 25 May 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-18 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>5/25/05</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 14 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 14 is rejected under 35 U.S.C. 112, second paragraph, as being incomplete for omitting essential steps, such omission amounting to a gap between the steps. See MPEP § 2172.01. The omitted steps are: no active steps are provided for the process of preparing a compound of general formula I.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-4,6-8,10, 15,16,18 are rejected under 35 U.S.C. 102(b) as being anticipated by Baker et al (USPN 4062977; 12/13/77). Baker teaches active compound 9 which is equivalent to instant compound of formula 1 where X,Y,Z = Cl; R1,R2,R3 = CH3; R4,R5 = H. See Table I compound 9. Baker teaches compositions comprising not more than about 15%, preferably 0.1 to 1.0%, of the active compound by weight of the composition. See column 7 line 63 – column 8 line 3. Baker's composition can also

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comprise adjuvants (carrier). Note the instant specification teaches the active being present in amount ranging from 0.0001 to 95 wt % of the composition. The specification describes this amount as being fungicidally effective. Since Baker's amount of active falls within % wt range disclosed by the instant specification, Baker's composition meets the claim limitation of being a fungicidally effective composition. Baker also teaches a method of applying the composition to seed, plants and soil. See column 6 line 65 – column 7 line 63. Upon considering the above teachings with respect to Baker's invention, it is inherent that Baker's application method would inherently control fungal growth. This is an inherent property of Baker's invention because Baker teaches the application of instant concentration of identical active compound to plants, seeds, and soil as claimed by applicant.

Claims 1-9,15,16,18 are rejected under 35 U.S.C. 102(b) as being anticipated by Baker et al (USPN 4049423; 9/20/77). Baker teaches active compound 9 which is equivalent to instant compound of formula 1 where X,Z = CH₃; Y = H; R₁,R₃,R₄ = CH₃; R₂,R₅ = H. See abstract. Baker teaches the composition comprising 0.5 to 95 % of the active compound by weight of the composition. See column 3 line 55 – column 4 line 11. Baker's composition can also comprise diluents. See column 4 lines 11-36. Note the instant specification teaches the active being present in amount ranging from 0.0001 to 95 wt % of the composition. The specification describes this amount as being fungicidally effective. Since Baker's amount of active falls within % range amount disclosed by the instant specification, Baker's composition meets the claim limitation of being a fungicidally effective composition. Baker also teaches a method of applying the

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composition to seed and plants. See column 3 line 55 – column 4 line 10. Upon considering the above teachings with respect to Baker's invention, it is inherent that Baker's application would inherently control fungal growth. This is an inherent property of Baker's invention because Baker teaches the application of instant concentration of identical active compound to plants and seeds as claimed by applicant.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 11-13,17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Baker US '423 as applied to claims 1-9,15,16 above. See 35 USC 102(b) rejection above. Baker teaches all that is recited in claims 11-13,17 except for variations in X, Z, Y, R5 being between H and Me to arrive at instant compounds of claims 11-13,17. It would have been obvious to one having ordinary skill in the art at the time of Baker's invention to vary X, Z, Y, R5 being H or Me to arrive at instant compounds of claims 11-13,17. One would have been motivated to do this because H and Me are chemically equivalent due to similar size and polarity. Chemically equivalent compounds would have been expected to have similar chemical and physical properties and therefore exhibit similar activity.

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Telephonic Inquiry

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alton N. Pryor whose telephone number is 571-272-0621. The examiner can normally be reached on 8:00 a.m. - 4:30 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Johann Richter can be reached on 571-272-0646. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Alton Pryor
Primary Examiner
AU 1616